### CHATTANOOGA PRODUCTS FIGHT WITH EVERY BRANCH OF SERVICE

Mobilization of Local Industry Accomplished Swiftly and Quietly. Shells Head List of Exports to Germany-Wide Range of Chattanooga Factories Proves of Great Advantage to the Government.

One of the thoughts which should be most cheering to every loyal Chatta-onogan is this—that of the stream of high-explosive messages of correction which go hurtling across the desolation of "no man's land" into the trench of the Hun, many of them carry the label, "Made in Chattanooga."

Before the war with Germany, in that dim, archale period when the thoughts

dim, archaic period when the thoughts of the business man were mainly con-cerned with methods of making money, Chattanoogs already had quite a repu-tation in the export line. Chattanooga products went to nearly every country under the sun. Until the conflagration broke loose in Europe, however, Germany had not been among the list of recipients of Chattaneoga products. Now, let us be rejoiced, she is receiving steadily the most effective form of sudden death which the skill of Chattaneoga capital and the patriotism of both can combine to fab-

Everybody knows Chattanooga is mak-The glittering six-inch cones, with their shining copper bands, which the Columbian Iron works has been turn-ing out with such cheering speed and efficiency, have been honor features of many of the patriotic parades, and two of them proudly take their place among of them proudly take their place among other Chattanooga products on exhibition at the building of the Chattanooga Manufacturers' association. Nearly everybody knows Chattanooga

to make more shells-more shells than was thought possible to pro-duce here. From the street car along Rossville avenue may be seen the sign Rossville avenue may be seen the sign of the Southern Machine works, under which is the simple word "Ordnance," and which is surmounted by a huge American flag. That plant is not quite completed, but when it is completed, and that will be during September, there will be 2,500 workmen in Chattanooga en-gaged in shell-making alone, and making shells is really but a small part of the contribution of Chattanooga industry to

contribution of Chattanooga industry to the winning of the war.

The shell, however, possesses the ro-mance which the humbler instrument lacks. It is the epitome of industry turned to warfare, of the piowshare beaten into the sword, of the arts of peace converted to the tasks of making war forever impossible by destruction of forever impossible by destruction of savage devotees of force, and the transition of Chattanooga industry from the ends of peace to the ends of war is perhaps more strikingly typified in the manufacture of shells than of anything

#### Chattanooga Man Designs Shell Machinery

So it comes as an added gratification to local pride that not only has a Chat-anooga firm taken the lead in the manufacture of these packages of persuasion but a Chattanooga man has made this possible by designing and building the machinery with which to produce them. We must go back a little bit to appre-

member the time when America was sup-posed to be neutral in thought and deed? Tet there was a time when a lot of peo-ple were putting up the bluff that such

trade will remember that time as a period when anything like a lathe or riod when anything like a lathe or a drili press was being eagerly sought by the allied governments and the big east-ern manufacturers, and the procurement of those machines elsewhere would have been an enormous undertaking for the

iron works.
Then shells began to come out, first for the British government and later, when America quit being neutral, for the American government, and are still coming out as fast as 750 men can produce them

## Ordnance Facilities Will Be Quadrupled

But the government wanted Chattanooga to produce more shells, and to meet this wish the Southern Machine works was incorporated last February. The incorporators and the interests be works. Morrow Chamberlain is president, Capt. C. A. Lyerly vice-president, H. M. Lotton general manager and W. A. Sadd treasurer.

The immense plant of the Morris Sherman company out on Missionary avenue was acquired and things began to hum. It is hoped to have this plant producing shells very shortly now. Three shifts of men will be worked to secure continuous operation, and somewhere between 1,700 and 2,400 men will be employed in what will then be one of the largest munition plants in the United States.

#### Making Munitions Invokes Patriotism Among the Workers.

Everybody recognizes that the occupation molds the thoughts of man to a great extent. That was never more clearly shown than in the case of the men who work at the Columbian Iron works. In all of the liberty loan drives, the Red Cross drives, and in every patriotic activity, these men have been among the leaders and have built up an enviable reputation for being 100 per cent. American and possessed of the same spirit which is making Fritz wary of the American soldier.

Chattaneoga Products Run Whole Gamut. But while shell-making furnishes the most romantic phase of Chattanooga's war industry, it lacks much of being the greater part of it. It is merely the cli-

max, as it were.

When it comes to runing down the list of other products the thought inevitably of other products the thought inevitably obtrudes that Chattaneoga is again fortunate in possessing such a variety of industries. For otherwise it is extremely doubtful if the city would have been able to so usefully serve the country by meeting so many needs. Practically every manufacturing concern of any importance whatever in the product of the country in the c portance whatever in pre-war times was making something which could be turned to war uses, so that in Chattanooga there was a minimum of time lost in changing machinery. The product was merely diverted to war uses, perhaps modified a little to meet newer stand-ards but in the way uses.

ple were putting up the bluff that such a condition was possible. That is the period to which we must go back, somewhere about May, 1916, when German propagandists were having the time of their lives and "watchful waiting" was passing from a slogan to a joke.

A little before that time the Columbian Iron works had been making watervorks machinery, valves, fireplugs, etc. A little before that time the Columbian Iron works had been making watervorks machinery, the product was modified a little to meet newer standards, but in the main unchanged.

All Engaged on War Work.

Practically every factory in Chattanooga is doing war work, either directly or upon sub-contracts. But the extent to which Chattanooga industry is mooilized to win the war may perhaps be better judged when considered this way: in twelve plants of which a survey was made more than 2,000 workmen were engaged in making finished products for

Pyramid of

**Progress** 

PREMIUM INCOME

1912-\$75,718.53 1913-\$115,917.61 1914-\$133,442.29

1915—\$198,115.31

1916—\$271,716.30

1917—\$315,866.46

1918—\$400,000.00

Income, first six months, 1917....\$143,778.23

Income, first six months, 1918.... 186,228.44 

The Southern Live Wire Multiple Ling

¶ Life, Accident, Health, Plate Glass and

H. D. HUFFAKER, President Volunteer State Building

TERSTATE LIFE and ACCIDENT

Weekly Industrial Insurance.

Company.

the prosecution of the war. That does not mean working on material which would eventually find its way into the war, such as turning out lumber, or bricks, which will go into cantonments or munition plants, or pig iron, which will so into shells cannon, etc. but or munition plants, or pig iron, which will go into shells, cannon, etc., but products all ready to be put to use in fighting, transportation, etc. Of course, in the latter category are many Chattanooga concerns, and their work is just as essential and patriotic as the other, but does not lend itself to classification

as readily as the former. as readily as the former.

Going down the long list of win-thewar products made here, and now helping to lick the Hun, entails in some
cases a veil of camouflage, though mostly
it is a very thin veil. Manufacturers
have caught the censorship habit and are
mighty skillish about sivile came and mighty skittish about giving names and figures too. Of course, in the case of the shell manufacturers the public is pretty familiar with what has been and is going on, but with some of the others it is desired that not too much definite detail

### Consider Ends, but Not Origins.

So perhaps it would be better to con-sider what part Chattanooga products are playing in the war from the standpoint of the end and not the origin. And who cares where they came from, so long as they came from Chattanooga and go where they will do the most good?

Some of the Ends Accomplished. So, taking that viewpoint, it comes with startling effect to consider the number of things Chattaneoga products are doing and will do. Perhaps next to munitions interest centers in ships, and it is astenishing how greatly Chattanooga is contributing to that famous bridge to

Bollers made in Chattanooga will propel many of the vessels being turned out by the shipping board. Engines made here will operate various gears and machines aboard those ships, Chattanooga-made windlasses will holst the anchors,

chines aboard those ships. Chattanoogamade windlasses will holst the anchors,
Chattanooga valve gearing will contribute to the control of the vessels, and various other parts will help to keep the
"bridge of ships" standing.

Across that bridge of ships Chattanooga shells will go, perhaps in Chattanooga-made wooden boxes. Local firms
have been among the leaders in the
manufacture of ammunition boxes since
the early days of the war.

But that merely starts the list. Some

But that merely starts the list. Some day, and let us hope it is a near day, Uncle Sam's famous cavairy will get a chance to pursue the Huns across the ragged desolation of their own trenches, to hurry them back through Belgium so fast that they will have no time to bill. fast that they will have no time to kill little children and ravish young girls, and then some thousands of the troopers will be riding Chattanooga saddles, guiding their horses with Chattanooga har-ness and Chattanooga harness buckles. Out at Alton Park all the peaceful ele-

ments of coal are extracted and turned to coke and gas. The more restless ele-ments combine benzol, toluol, etc., and in ments combine benzol, toluol, etc., and in such form are disposed of to emerge again in the savager form of T. N. T. and kindred choice gifts for the reformation of the German, so it is not too much of a strain upon the imagination to think that by some good chance of combination the somnoient energy lying in the coal in the Chattaneoga district may be put into a Chattaneoga shell or behind it to complete the development of the local export trade to Germany.

the local export trade to Germany.

List includes Many Other Products.

But an army must be transported, and with it its supplies. Chattanooga wag-ons will do their part in this: Chatta-nooga stoves have kept the soldiers warm in their cantonments; Chattanooga smokestacks are going into munition plants; Chattanooga lumber and bricks into a multitude of places serving the national defense directly. national defense directly

#### Chattanooga Leads In One Special Material.

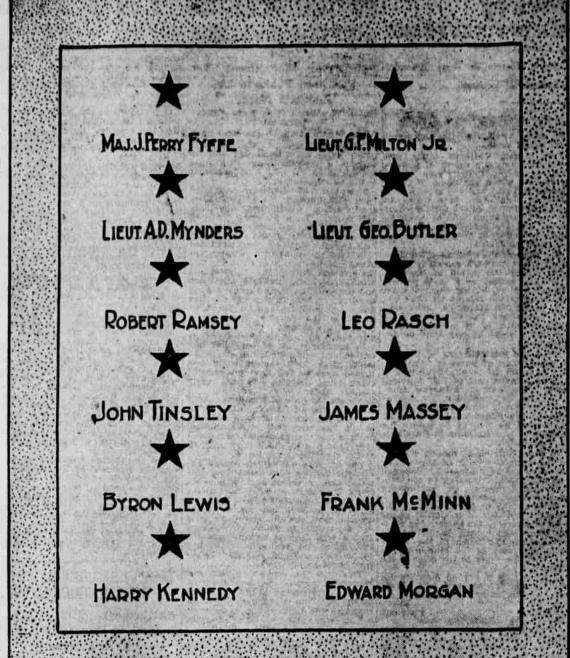
In the production of one very essential war product Chattanooga has taken the lead in the entire south. That is ferro-silicon, an imperative ingredient in the manufacture of steel for war purposes. Taking advantage of the continuous hydroelectric power generated at Hale's Taking advantage of the continuous hydroelectric power generated at Hale's bar and Ocoee, local industry has been the first in the section to undertake the development of an electrometallurgical industry, and a local plant is now running to full capacity turning out a high grade of this very essential product.

An item which is of especial interest in the far-flung battle line of Chattanooga industry is that the equipment for one of the large refrigerating establishments now being erected in France is being made by a Chattanooga concern.

Marines Wear Chattanooga Uniforms. Marines Wear Chattanooga Uniforma.

The chances are that some of those marines who made things so hot for the Huns around Chattau Thierry were wearing Chattanooga-made uniforms when they earned the name of "Devil Dog." A Chattanooga concern made a very large order of these uniforms, and another is now shipping legings by the whole carload.

Wounded Cheered by Local Products.



# THE NEWS' SERVICE FLAG

A TOAST TO THE FLAG
(By John Daly.)
"Here's to the red of it;
There's not a thread of it,
No. nor a shred of it,
In all the spread of it,
From foot to head,
But heroes bled for it,
Faced steel and lead for it.
Precious blood shed for it,
Bathing in red.

"Here's to the white of it;
Thrilled by the sight of it.
Who knows the right of it.
But has felt the might of it.
Through day and night;
Womanhood's care for it.
Made manhood dare for it.
Purity's dare for it
Kept it so white.

'Here's to the blue of it, Heavenly view of it,
Star-Spangled hue of it,
Honesty's due of it,
Constant and true;
Here's to the whole of it,
Stars, stripes and pole of it,
Here's to the soul of it,
Red, white and blue."

less many firms doing very important work have not had their products men-tioned. But then the chances are that they are hiding their light under a bushel

However, this fact stands out pre-eminent: The whole energy of Chattanooga labor and capital has been turned to winning the war, and the result of the application of that energy is truly remarkable.

# FOOD PRODUCTION IN HOME SCHOOL GARDENS

School Gardens Have 200 Acres Under Intensive and Intelligent Cultivation.

make a very large order of these uniforms, and another is now shipping legisings by the whole carload.

Wounded Cheered by Local Products.
But the uncluses of Chattanooga's contribution in the "imaterial" of wellow the control of t

ing in the trenches.

The stay-at-home is gradually liberty bonds, for the war cannot be learning that Uncle Sam expects him to do his part in producing food just as much as in doing Red Cross work are under cultivation, both in back are under cultivation, both in back by the encampment.

of the city.

As a result of the first efforts to as-certain the extent to which Chatta-nooga has progressed in her attempts at raising poultry we have the fol-

Bantams
The other flocks are mixed, although
many of them contain pure bred

many of them contain pure bred fowls.

A summer campaign in food production was made in June to encourage the planting of fall gardens. This was also followed by community meetings and by an exhibit at the markethouse where prizes were awarded, which were donated by the city's business men. The displays were of poultry and vegetables. As an incentive to encourage summer cultivation of gardens, gardeners have been invited to send their names to the central garden committee for the purpose of having their gardens inspected. Prizes have been awarded those having the best gardens.

Much of the success of the city's garden work has been due to the Elks garden work has been due to the Elks club, which made it possible by a liberal donation, to assist in cultivating unused areas which would otherwise have been German gains.

PROFITEERING COMMITTEE

The profiteering committee of the chamber of commerce early took in hand the problem of prices and has rigidly investigated every accusation of overcharge made since the encampment was established at Chickamsuga park. Merchants have co-operated with the committee, so there has been a uniformity of prices charged soldiers and civilians which has done much for the good name of the city.

of the city.

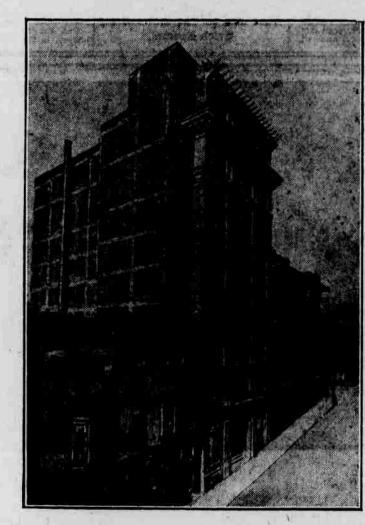
One of the first matters undertaken by the committee was the regulation of rates in hotels, and an agreement was reached with the hotel managers wherehy a schedule of rates for every room in the house was posted conspicuously in the lobby and a copy furnished the chamber of commarce where it is likewise.

ber of commerce, where it is likewise posted, so that there can be no doubt that the same price is charged every-

WATCHES WAR PRICES

EMMETT S. NEWTON, Manager

M. M. BRYAN, Asst. Manager



# THE PARK HOTEL

The Hotel for particular people where guests are sure of courteous treatment and prompt service.

> **NEW-MODERN-FIREPROOF** Near Everything Worth While

# EUROPEAN PLAN

ROOMS WITH BATH, \$1.50 TO \$3.00 Sun Parlor for Use of Guests

CHATTANOOGA

TENNESSEE